CONTENTS OF VOLUME 54

Volume 54 Number 1

Dipped Adcluster Model for Chemisorption and Catalytic Reactions 1
H. NAKATSUJI

Vibrational Properties of Si/Ge Superlattices 69
J. XI, K. ZHANG and X. XIE

Volume 54 Number 2

Quantum Mechanics of Asymptotic Effective Potential and 'Image' Charge at Metal Surfaces 115
V. SAHNI

Ion-Induced Photon Emission of Metals 165
M. SUCHAŃSKA

Volume 54 Number 3/4

Proceedings of the Seventh Symposium on Surface Physics 211
1. Electronic Structure
2. Crystal Structure